

In the claims:

1-20. (Presently canceled)

21. (New): An antibody, or portion thereof, that specifically binds to the amino acid sequence of SEQ ID NO:2 or a fragment thereof having glycosyltransferase activity.

22. (New): The antibody of claim 21, wherein the antibody is monoclonal.

23. (New): The antibody of claim 21, wherein the antibody is polyclonal.

24. (New): The antibody of claim 21, wherein the antibody is a humanized antibody.

25. (New): The antibody of claim 21, wherein the antibody is a human antibody.

26. (New): The antibody of claim 21, wherein the antibody is a chimeric antibody.

27. (New): The antibody of claim 21, wherein the antibody comprises a F(ab) fragment.

28. (New): The antibody of claim 21, wherein the antibody comprises a F(ab')₂ fragment.

29. (New): The antibody of claim 21, wherein the antibody is a murine antibody.

30. (New): The antibody of claim 21, wherein the antibody is detectably labeled.

31. (New): An antibody, or portion thereof, that specifically binds to a polypeptide encoded by the nucleic acid molecule of SEQ ID NO:1 or 3, or a fragment of the polypeptide having glycosyltransferase activity.

32. (New): The antibody of claim 31, wherein the antibody is monoclonal.

33. (New): The antibody of claim 31, wherein the antibody is polyclonal.

34. (New): The antibody of claim 31, wherein the antibody is a humanized antibody.

35. (New): The antibody of claim 31, wherein the antibody is a human antibody.

36. (New): The antibody of claim 31, wherein the antibody is a chimeric antibody.

37. (New): The antibody of claim 31, wherein the antibody comprises a F(ab) fragment.

38. (New): The antibody of claim 31, wherein the antibody comprises a F(ab')₂ fragment.

39. (New): The antibody of claim 31, wherein the antibody is a murine antibody.

40. (New): The antibody of claim 31, wherein the antibody is detectably labeled.